

PROBABILITIES.

Mostly fair, and comparatively mild.

# McGill Daily



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## BOSTON HEARS CAUSES OF WAR

Sir William Peterson Raps the American Peace Societies.

### DEFENDS ENTRY INTO WAR

Boston Boot and Shoe Makers' Society Hear a Splendid Address.

A Boston newspaper says: Canada's unflinching determination to continue in the war and throw her whole available strength on the side of Great Britain for democracy, righteousness, humanity and freedom of the nations to live, each in its own way, was expressed by Sir William Peterson, Principal of McGill University, Montreal, at the 106th banquet of the Boston Boot and Shoe Club.

The vice-president of the club, Fred B. Rice, presided, "Canada," he said, in introducing the guest, "has come to be a billion-dollar country in respect to the volume of international trade, and it is significant that fully 37 per cent. of its export business is carried on with the United States, for Canada sells to us nearly \$150,000,000 worth of goods annually, and we in the United States sell to her more than \$400,000,000 worth. Could anything throw a stronger light on the intimacy between these two nations?"

"Our shoe manufacturers find a market in Canada every year for about \$3,000,000 worth of footwear, although they are sadly handicapped just now by the inequitable conditions governing the tariff systems of both countries.

"In other words, the United States gives an absolutely free market to Canadian shoe manufacturers and tanners, while our friends of the Dominion, in pursuance of their long-accepted policy of protection, have built up against us, including the recent war tax, a tariff wall of nearly 40 percent, against our products. This is one of the many examples of how two neighboring and friendly countries ought not to maintain their tariff arrangements.

"I need not remind this audience that several of our leading American shoe manufacturing concerns have established branch factories in Canada, partly as a consequence of the reciprocal tariff arrangement, and I am glad to say that these appear to have achieved at least a measurable success."

Sir William Peterson reminded his audience that the cause of the Allies was the cause of the United States, as well as of Great Britain and Canada. He was therefore surprised that none of the American peace societies—and he was a member of all of them—daared to pronounce any judgment as to the horrors which had attended the conflict, even if they did not wish to pronounce judgment as to the influences which had brought it about.

As to the neutrality which had been so carefully imposed upon Americans from Washington, he pointed out that in spite of it, one had only to open an American newspaper to see what latitude was allowed in the United States to the expression of individual opinion. And if American citizens happened to be killed during a Zeppelin raid in England, he ventured to think Americans as a nation would take a less detached interest in some of the atrocious methods that were being practised in the war than they were now taking.

#### Brillain's Motives Defended.

Sir William proceeded to outline the British case and to defend Great Britain from charges made as to her motives in entering the struggle.

"The war," he said, "raises the greatest issue in human history. The beginning of it was a tiger spring at the throat of freedom in Europe. No Government ever entered a war more reluctantly than England, and I know, for I was in London at the time. It was both honor and interest that took us into it. And the most distinct proof of the righteousness of our cause is the way in which Britain's overseas Dominions rallied to her support."

"It is a tremendous issue for Canada, but there are compensations for the sacrifices. Our great Dominion is gaining an added sense of unity through this war. Another compensation is the stimulating consciousness of imperial unity. You don't hear now of the willingness of Canadians to help the Old Country. They have risen to a higher conception—they know that the existence of the Empire is at stake and that it is a fight for life itself."

"A third compensation is the quickened consciousness in individuals of public duty and public service. Canada has 120,000 men in Europe already—60,000 at the front and 60,000 in England waiting to be called. She is now preparing to send 120,000 more. And after the war Canada will be a different country. She is even now quickly preparing to readjust her life

## PROF. MCLEOD'S OPINION

Prof. C. H. McLeod, Vice-Dean of the Faculty of Applied Science, was yesterday informally asked to express an opinion with regard to the suggestion of The McGill Daily that a committee of students be formed to consult with the University authorities in the matter of the new student residences.

Prof. McLeod, through long association with McGill students, and having taken at all times a great interest in the several branches of their activities, is probably one of the best judges of the utility of a committee of this kind. It must be admitted that Prof. McLeod does not hold as high an opinion as could be desired of the capabilities of the students in this matter. He is of the opinion that no committee of the students would be capable of making any creditable recommendation to the Governors regarding the true architectural planning of the residences. This contention is perfectly correct. Prof. McLeod admits, however, that in certain respects a committee of students would be in a position to make recommendations respecting their future college home.

"A responsible committee of students who present a carefully-considered and reasonable suggestion to the University," said Prof. McLeod, "can depend upon the same being given serious attention."

## ARTHUR P. SCOTT WAS WELL KNOWN AS METALLURGIST

Arts and Science Graduate Dies After a Very Short Illness.

Arthur Putnam Scott, B.A., B.Sc., a McGill graduate, who gained a name for himself as a chemist and metallurgist while connected with the Dominion Coal Company, the Dominion Iron and Steel Company, the General Electric Company, and other large corporations, died yesterday morning at the Montreal General Hospital, after a very short illness, of pneumonia.

Mr. Scott, who was the eldest son of the Rev. Dr. Ephraim Scott, editor of the Presbyterian Record, was born in Milford, N.S., on December 24, 1876. He was educated at the public schools in New Glasgow, N.S., at the Montreal High School, where he was a medalist, and at McGill University, where he took courses in both Arts and Applied Science. Mr. Scott was graduated in Arts in 1896 with the degree of B.A., and gold medal in natural science, and was graduated in Science two years later with the degree of B.A. Sc., and the British Association gold medal.

For a year after graduation, Mr. Scott was demonstrator in chemistry at the University, and left here to become assistant chemist with the Dominion Coal Co. In 1900 he accepted a similar position with the Dominion Iron and Steel Company, and in 1904 was promoted to become chief chemist and engineer of tests with the same corporation. Mr. Scott remained with the Dominion Iron and Steel Company until 1908, when he entered the research laboratory of the General Electric Company at Schenectady, N.Y., as metallurgist. Later he became connected with the Allegheny Steel Company at Pittsburg.

At the end of January, Mr. Scott

came to Montreal to supervise the installation of an electric furnace at the Thomas Davidson Co. plant. He was taken ill, and removed to the General Hospital on February 9. A wife survives.

The funeral will be held to-morrow afternoon, at two o'clock, from Erskine Church.

to peace conditions. She is no longer a debtor nation, but has become a creditor nation, and this year we expect that the balance of trade will be on the side of Canada."

Sir William hoped for the long continuance of the most friendly relations between the Dominion and the United States, and said that while he congratulated the American nation on being out of the war, he was buoyed up by noticing that in many parts of the United States there was a sentiment like that of the man who, in calling himself neutral, explained that he "did not care who beat the Germans, whether it was the English, French or the Russians."

Sir William Peterson spoke at a luncheon of the alumni of Harvard Theological School on Wednesday on "The Relation of the University to the Divinity School." He took occasion to pay a high tribute to Prof. Kirsopp Lake, who has recently been added to the faculty of Harvard and who, Sir William says, is one of the most distinguished biblical scholars of the day.

## OPERATIONS AT STE. ANNE'S

C.O.T.C. To Be Joined By 5th Co. and Macdonald C.O.T.C.

### OPERATIONS ON SUNDAY

"D" Company Will Defend Position On the Golf Links at Senneville.

Orders relating to the tactical exercises to be carried out by the McGill Canadian Officers' Training Corps at Ste. Anne de Bellevue and vicinity next Sunday were issued yesterday by Captain J. C. Simpson, adjutant of the C.O.T.C.

The McGill Contingent, C.O.T.C., accompanied by the 5th Overseas Universities Company, will proceed to Ste. Anne de Bellevue for tactical exercises on Sunday. The Macdonald College contingent, C.O.T.C., will join the party at Ste. Anne's. Each man must bring with him a lunch and a tin or granite cup. Haversacks will be issued when the men fall in. Hot coffee will be served by the quarter-master.

The contingent will fall in at the Old High School, Metcalfe street, at 9 a.m., and will march to the Windsor street station via Metcalfe, Dorchester and Windsor streets. The troops will march directly on to the station platform, and when the head of the column reaches the front of the train it will be halted by a whistle blast and given right or left turn, as the case may be, to bring it into line facing the train. On the order to entrain being given, platoon commander will march their men into the cars allotted them in single file, and will see that the men immediately seat themselves with rifles between their knees. Absolute discipline must be maintained. No smoking, loud talking or moving about will be permitted until five minutes after the train has departed.

On arrival at Ste. Anne de Bellevue no one will be permitted to leave the train until the bugle sounds "Marksmen," when the company marksmen will immediately fall out and will be placed in position by the battalion sergeant-major. Upon the "Fall in" being sounded, men will immediately detract and quietly and expeditiously fall in upon their marksmen. The whole force will march, with advanced, rear and flank guard protection, along the Ste. Anne's-Senneville road and over the ice to a small bay near Morgan's Point, a distance of about 2½ miles. Here the force will bivouac and have lunch.

During the afternoon, D Company, under Captains Robinson and McDougall, will act as a blue (hostile) force, defending a position on the Golf Links at Senneville. The rest of the party, acting as a red force, will attack the blue force, and when the latter is driven from its position, will pursue it in the direction of Ste. Anne's. Detailed operation orders will be issued.

It is expected that the battalion will reach the city about 5:45 p.m. The same discipline must be maintained on the return as above.

### "BUSTER" REID HERE.

In Canada On Two Months' Leave Owing to Wounds.

Lieut. G. Eric ("Buster") Reid, Arts '15, was in the city yesterday on his return from France, where he was serving with the 3rd Battalion, C.E.F. Lieut. Reid is home on sick leave for two months, and is still suffering from wounds received while fighting in France. He has lost the use of several fingers of his left hand, and will have to undergo an operation before returning to England. Lieut. Reid left last night for his home in London, Ont. He will return to Montreal next week.

Lieut. Reid returned as second in command of a party of wounded soldiers.

### C.O.T.C. INSPECTED.

Battalion drill last night took the form of a sort of inspection by Brig.-General Wilson, who stood by while the C.O.T.C. went through their work on the campus.

The battalion marched past the General several times, but the inspection was only a general one, and did not include the usual routine of individual inspection.

After drill Major Harrington made further announcement concerning the Sunday trip to Ste. Anne de Bellevue, and details of the operations were distributed.

### LOST.

In McGill Union, last evening, one cane; valuable only to owner through associations. Finder kindly return to P. A. G. Clark, Arts '17, or leave with hall porter.

  
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## Lost Hours

What do you do with those leisure hours. Undergraduates? Are they spent in recreation, clean and wholesome and educational, or are they wasted following false diversions and sham pleasures? Let us stop to consider what can be done in that hour between five and six, just before supper, for instance. If you are on the basketball squad, or out for some other team, there is no need to ask, practice takes care of that. If, however, you are just the average man, do you seek the lure of the "movies," or do you spend the hour, say, reading the better current magazines? In a word, are you cultivating a taste for the refined or for the vulgar? Not that motion-pictures are uneducational or low and common—some are, but we lay them aside—but consider the fact that the best are not easily available, and, even if they were, would be a constant drain on finance. Let us make a plea for the magazine room in the Library, for the current fiction stocks that want circulation, for the great hour by oneself, without the jingle of an underpaid orchestra and the flash of a most coveted picture play. Those hours are lost which are spent in the latter diversion, and they can never be regained.

One can squander a fortune and win it back again—one can spend a dollar and feel that it has given at least a sense of satisfaction, but it is impossible to squander a single hour with any chance of its returning, or with any sense of spiritual, mental, or physical satisfaction. It is almost impossible, at the time, to measure the lost hours, and feel how great is the sense of duty to oneself they involve. Dante, in his *Purgatorio*, has reserved a place for those who have wasted their time. A man's own conscience has renewed a place for his own action every time he is guilty of it. An indictment against games of chance, cheap movies, indiscriminate choosing of companions, and the results which go with such foolhardiness, is never more effective than when a man himself realizes that when all is said and done, in the four years of his undergraduate days he wasted, perhaps, two hours each day. "Why," he ejaculates, "that's fourteen hours a week, five hundred and sixty hours a year, or, in four years, nearly a year of wasted hours."

This realization often comes too late in his college career. He has simply lost the close association with the finer things, good books, clean athletics, service to his fellows, or, best of all, the hours of reflection which are our best hours when we only stop to think of the fast-moving, quickly-changing world in which we live. He cannot regain those hours, but he, as well as ourselves, can apply the brakes at once. Don't let an hour escape of which you cannot say "I have gained something—I have learned something—I am satisfied."

## CHEMISTRY'S USE IN INDUSTRIES

### What's On

## Today.

12:00—Arts '16 meeting.  
12:00—Med. '20 vs. Med. '18, Campus Rink.

1:00—Medicine '19 hockey practice.  
3:00—Science '19 hockey practice.

4:00—Skating, Campus Rink.

8:00—Y.M.C.A. - Y.W.C.A. Skating Party, Campus Rink.

8:15—Dr. J. B. Porter before Mining Society.

## Coming:

Feb. 19—Wicksteed gym, practice, 4:30 p.m.

Feb. 19—Fencing practice in Union, 5 p.m.

Feb. 19—Macdonald College vs. the R.V.C., hockey, 11 a.m.

Feb. 19—McGill vs. North Branch, basketball, 8 p.m.

Feb. 21—Students' Council meeting, 5 p.m.

Feb. 20—C.O.T.C. parade, 9 a.m.

Feb. 21—Arts '16-'17 vs. Law, 12 o'clock.

Feb. 21—"Lit" executive meeting, 8 p.m.

Feb. 22—American Club smoker.

Feb. 22—McGill vs. Westmount, basketball, 8 p.m.

The institution of an efficient laboratory would certainly make a good business better, the chemist unaided would seldom transform a failure into a successful enterprise, since the manufacturer, who had failed to appreciate the necessity for the assistance of expert chemists until his business was declining, had generally committed many other vital errors of judgment in addition to the omission of a laboratory.

Lecture to Society of Chemical Industry at Edinburgh on the Subject.

Edinburgh, Scotland.—At a meeting of the Edinburgh and East of Scotland section of the Society of Chemical Industry, B. D. Porritt, B. Sc. (Lond.), chief chemist to the North British Rubber Company, read a paper "On the Functions and Organization of a Technical Laboratory." The large number of industries in the hands of people belonging to other nations, he said, was fully demonstrated at the outbreak of war by the failure of outside sources of supply. This state of things had been attributed to many causes, among which were conservatism, free trade, high freight charges, Government indifference, lack of enterprise, thoroughness, and organization, inferior banking and financial facilities, and higher labor charges, and especially to the limited and indifferent use which was made in Great Britain generally, of technical control and research. Mr. Porritt appealed to the manufacturer to ask himself, "Do we require a chemist?" or "Are we making the best use of our laboratory?" The value of the chemist to the manufacturer was unquestionable, he continued, but it should not be emphasized in the exclusion of other factors equally essential for commercial success, and they should not attribute their industrial shortcomings to neglect of research without realizing that such neglect was only one manifestation of a lack of foresight, thoroughness, and organization. While

## Another "Incurable" Disease Conquered

(Benjamin Baker in the Boston Transcript.)

In the remarkable success of the new Allen starvation treatment for sugar diabetes, the medical world is experiencing almost a unique demonstration of the immediate practical value of animal experimentation in the service of human welfare. We have become accustomed to the idea that experiments on animals are necessary to finding the ways to combat and control infectious diseases. It is a new thing, and a proof of the tremendous importance of experimental physiology, that a very serious and widespread human disease like diabetes—what might properly be called a physiological disease—has suddenly come under control by the direct application of animal results to human beings.

## Two Boston Examples.

How radical a change has been worked in the treatment of diabetes by the new method is sharply displayed by two cases in our immediate neighborhood. In preface, it may be explained that diabetes in its advanced stages often presents one or more of three very dangerous features. Gangrene, usually of the toes, is one critical condition. Severe carbuncles on the back of the neck, often very difficult to heal after surgical removal, at times cause death. Acidosis, finally, sometimes causes the coma which is one typically fatal ending to the severe case of diabetes.

The first case is that of a man now lying in a private hospital just outside the city, a diabetic who has gangrene of the toes. Two of Boston's leading surgeons very recently advised this man that amputation of his leg was the only way to save his life. But the man held on to his leg, and under starvation treatment the gangrene has been checked and the patient has been saved. Three years ago the diabetes specialist who now has this man in charge would have been compelled to agree with the two surgeons. The Allen treatment has made the difference.

## Story of the Bold Young Doctor.

Second is what might be called "The Story of the Bold Young Doctor," as related by himself to professional friends in Boston. In a town a little outside the city he has lately undertaken to develop a practice, in competition with several older men. A short time ago he received his first patient, a woman suffering with diabetes. She was disheartened with the prospects held out by other doctors with the old treatment for diabetes. "Can't you do something better for me?" she pleaded. "It seems to me I might as well die and be done with it as to exist as they tell me I shall have to."

Dr. Boldheart had heard of the Allen treatment and its results. He told his lone patient that there was a new treatment which might make her safe and enable her to go on "living." He would try it if she wished. She did wish.

He ordered her to bed and began to "starve" her—that is to say, he allowed her no food but whiskey and coffee. At the end of the first 24 hours the patient showed some signs of acetone poisoning. Dr. Boldheart was worried. At 36 hours the acetone was worse. Dr. Boldheart was doubly worried. "I began to think I was 'up a tree,'" he told the story. "Here was I with my first patient apparently going into fatal coma. If she died, how could I explain it? I should be a dead one myself. But I held on. 'Allen says the acetone show will pass,' I kept saying to myself. I'll stick to Allen and see it through. I read and re-read all that had been printed on the subject, and worried and held on. In 48 hours my patient was a little better. In another day the acetone was gone, the excretion of sugar stopped. Now my patient is safe, happy and able to 'live.' And locally, I'm almost famous. If my hair were as gray as it felt those first two days, I'd be the well-known Old Dr. Boldheart."

## Long Fasting May be Harmless.

Boldness, as the preceding true relation suggests, was necessary to the finding of the Allen treatment. Under the previous prevailing methods of treatment, which the starvation cure has made archaic almost over night, doctors were mightily concerned to keep up the weight of the diabetes patient. This aim, as the event proved, stood squarely in the way of adequate results. Diabetes patients stand a fast of three or four days with no harm to themselves whatever; a considerable number have fasted for ten or eleven days without harm. Moderate exercise during the fasting period is good for them. Fat patients are much improved by having the fat starved off them. All this is contrary to the fears that apparently all doctors have heretofore entertained.

A curious exposure of timidity, lack of imagination and lack of observational method on the part of the medical profession seems to be involved in the statement of the starvation treatment. It is quite evident, in the light of the new method, that a doctor capable of accurate observation, might have discovered this treatment many years ago, directly from his human patients, without the laborious course of animal experimentation on which the Allen treatment was based. Fasting is the critical point. The layman, who has himself fasted for two or three days to check a nervous dys-

pepsia, finds it hard to see why fasting should have been considered dangerous for the fat diabetic, at any rate. And in a disease which depends on the character of the food intake, a trial of a few days with no food would seem to be a very ordinary leap of the imagination. One trial by a doctor of careful observation would have demonstrated the foundation of the Allen system—that a short fasting period stops altogether the excretion of sugar. To stop this excretion was the purpose of the familiar reduced diet of the diabetic—an objective rarely attained.

Mark Twain published in Harper's for December, 1866, a widely-read article which should have roused the medical imagination—the story of "Forty-Three Days in an Open Boat." Those who are interested in what might have been will find stimulating matter in this story, which Mr. Clemens retold in the Century for December, 1899, under the title, "My Debut as a Literary Person."

## Acidosis from Fat Breakdown.

Another occasional feature in diabetes is that the body fat, or fat taken in food, instead of following the normal chemical changes of healthy metabolism, breaks down in such a way as to produce the poisonous acetone substance which produce the condition called acidosis. The final symptom of acidosis, whether in diabetes or others, is coma, insensibility ending in death. Before the stage of coma is reached, acidosis can usually be controlled by the free administration of ordinary bicarbonate of soda—cooking soda—and this has been much employed by physicians in the many cases of diabetes which show symptoms of acetone poisoning. The seriousness of marked acetone poisoning will sufficiently explain the worry of young Dr. Boldheart, already referred to. It may be worth noting, as a sidelight on the recent "epidemic" of acidosis about Boston, that a death may be immediately due to acidosis when the acidosis is merely a feature of the ultimate cause, diabetes. Dr. Hill reports a case from his ward at the Children's Hospital which illustrates this. A child, diabetic, who had been treated successfully by the Allen method, died suddenly of acidosis some months after his discharge from the hospital, in spite of the fact that his diet was carefully regulated. It is probable that the ultimate cause of some of the reported child deaths from acidosis was really undiscovered diabetes, and not the fleeting popularity of the late panic.

## Starving Out the Sugar.

Dr. Allen's discovery was the fact that if no food and so no sugar was supplied to the body, the body would very soon cease to waste and throw out the stored sugars of the body. The next step was the finding that after the excretion had been stopped by fasting (for two or three days in ordinary cases) the patient could take care of food slowly raised from a very low carbohydrate content without resuming the waste and excretion of body sugar. The practical task was then to see if the patient could be kept "sugar-free" on a diet sufficient to keep him in a fair state of bodily vigor and comfort. A considerable number of patients proves that this latter problem can be solved. They have been provided with a diet which maintains them in working activity, and in comfort, without giving rise to the waste of sugar. They are strictly limited as to the amount and character of food they may safely eat. They are, of course, liable to a renewal of the sugar waste, but this may be checked again by the starving process. In a sense they are not cured. In another sense perhaps they may be considered cured as you may cure your sick headache of to-day without making yourself immune to sick headaches next summer.

## Acidosis Deaths Avoidable.

That coma and death resulting from diabetic acidosis is avoidable by the Allen treatment is a conclusion asserted editorially in a recent issue of the Boston Medical and Surgical Journal. Gangrene due to diabetes (or more accurately, occurring in a diabetic person) can sometimes, at least, be checked by the same treatment. Presumably the torturing carbuncles which occur in some case can be controlled also.

Whether any regenerative processes within the body, particularly in the pancreas, may follow the Allen treatment, it is too early to say. Dr. Allen himself has practised the new method barely three years. The patients who are now doing well under his form of treatment must continue for a number of years before, other than the immediate, more or less external, results of the treatment can be traced. Taking into consideration the divergent character of the three main complications of diabetes—acidosis, resulting from a breaking down of fats into poisonous acids; the carbuncles often marked by complete failure of the healing processes after a surgical wound has been made, and gangrene, the mechanism of whose ultimate cause is a matter of pure conjecture—it may be surmised that the diabetic state results from a complex of several factors.

The explanation of it is seemingly more likely to be furnished by further experiments in animal physiology than by the human subject. Dr. Allen is continuing his researches at the Rockefeller Institute, and may bring forth something of more adequate explanation. Dr. Cannon's recent demonstration that the thyroid gland becomes more active as an apparent effect of stimulation of the adrenals, en-

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TO-NIGHT 8:15. MATINEE SAT.  
The Laughing Festival

**A Pair of Sixes**  
WITH OSCAR FIGMAN.  
PRICES : EVES. 50c TO \$1.50  
MATS. 50c TO \$1.00

NEXT WEEK SEATS TO-DAY  
Bringing Up Father

**VAUDEVILLE  
ORPHEUM**

MATINEE DAILY, 15c-25c.  
Homer B. Mason, Primrose Four,  
Marguerite Iseler, Alfrey, Hall  
Kingston & Elmer, and Brown,  
Maude Muller, "The Little  
Stranger," W. Rose & Sister,  
Pathé's Gazette.

SUNDAY—Feature Concerts  
at 2 P.M., 7 P.M.

**GAYETY Burlesque**  
Afternoon 15c to 25c  
Prices Evening, 15c to 75c

**BEN WELCH**

Vauville's Greatest Entertainer,  
WITH HIS NEW SHOW,

**IMPERIAL**

To-day and To-morrow

# WICKSTEED GYM. RULES

Additional Entries Include "Ski" Scott and F. H. Andrews.

## MOVEMENTS PRESCRIBED

Gymnastic Dancing, Swimming, Horizontal and Parallel Bar Movements.

There was a good turnout at yesterday's special practice for the Wicksteed competition.

Two additional entries to the already long list have been received. "Ski" Scott, Sci. '18, of hockey fame, has entered the junior competition, and, judging by the form he displayed yesterday, he is going to be a strong candidate for the Wicksteed bronze medal. The other entry is none other than Andy Andrews, the president of the Hockey Club. Andy is in his final year and is going after the silver medal. He competed in 1914 and finished a close second to Eric Cushing in the junior competition, and can be counted on to give the senior candidates a close run.

The other men practising yesterday were Gould, Welbel, Stuart, Bishop, Anderson, McGreer, Copeland, Fitzgerald, Betourney and Bleujonette.

The printed lists of movements were distributed yesterday, a copy of which is appended for those who were not present:

All competitors are required to swim a distance of at least 50 yards. Gymnastic dancing, 100 marks. Selected steps from the gymnastic dances given in regular class work.

Drill, 100 marks. Selected movements from regular class work.

Low horizontal bar, 40 marks. 10 for each movement.

1. Right knee mount to side riding rest, R.  $\frac{1}{2}$  L. to back rest, dismount  $\frac{1}{2}$  R. turn.

2. Front rest, slow forward circle to mat.

3. Backward body circle to front rest, short underswing dismount.

4. Voluntary movement.

220-yard potato race—Competitors are awarded points according to time made. Boxes, 2 ft. high, 12 in. square, 4 in. deep, 31 ft. apart (outside). Eight potatoes.

Parallels—80 marks, 10 for each set movement and 15 for each voluntary movement.

1. Run jump to free cross rest middle of bars, intermediate swing, front dismount, R. or L.

2. At end of bars R.  $\frac{1}{2}$  R. to floor, L.  $\frac{1}{2}$  L. to floor, to free cross rest at end of bars, outside cross seat on L. bar, travel forward to same seat on R. bar, same to L. bar, rear dismount, R.  $\frac{1}{2}$  turn L.

3. Run jump to free cross rest centre of bars, R. leg  $\frac{1}{2}$  L. over L. bar to front leaning rest on both bars side vault R. to mat.

4. R. hand on L. bar,  $\frac{1}{2}$  turn to free cross rest, backward scissors to cross riding seat, travel forward twice, intermediate swing, rear dismount right,  $\frac{1}{2}$  turn L.

5. Free cross rest end bars, travel forward to middle of bars,  $\frac{1}{4}$  turn R. to front rest on R. bar facing out,  $\frac{1}{4}$  turn R. to free cross rest, intermediate swing, high front R. dismount  $\frac{1}{2}$  turn L.

Note.—The complete  $\frac{1}{2}$  turn in free cross rest position may be taken on the swing.

6. Voluntary movement.

7. Voluntary movement.

## PRAISE U. OF T. HOSPITAL

Roman Catholic Chaplain Writes Appreciation to Dr. Falconer.

President Falconer, of the University of Toronto, has received a letter from Right Rev. Peter F. C. Cavenish, D.D., who has been attached temporarily for duty as Roman Catholic chaplain with the University of Toronto Base Hospital at Saloniciki, Greece, stating that he has never seen hospital work performed with more order, efficiency and regularity than he saw it being done in the University Hospital. Patients have expressed the same opinion in their letters to England, Ireland and Scotland. The chaplain is the censor of the letters of over 1,000 patients, and in all the letters praises of the medical officers, nurses and hospital in general were sounded.

## RECORD OF QUEEN'S UNIV. OF BELFAST

Enviable Record of the Irishmen In All Of the War's Activities.

Belfast, Ireland.—The vice-chancellor of the Queen's University of Belfast, in a foreword to a third edition of the roll of honor of the university, says:

A glance at its contents will suffice to show how it has grown, from its comparatively small original dimensions of a year ago to the much larger figures of the present issue. A large number of our members are now combining hard and valuable work in the manufacture of munitions for the Admiralty and the War Office, with the discharge of their usual university duties. One of our professors has for some time been engaged on important war work at the Board of Trade, by request of the authorities in London, having obtained leave of absence from the university for this purpose. Another member of our body has been, at the request of the Lord-Lieutenant, rendering excellent service as a director of recruiting. Two of our number have left their usual work among us for a time in order to proceed to the East. Lastly, our Red Cross training corps, which was not mentioned in previous editions of the roll, has, by its increase in numbers and activities, given evidence that the women students of the university are no less ardent than the men in this great work of our time.

The men of the university are taking no small part in war work, as is shown by the following figures given in the roll: Commissions (524 of these taken through O. T. C.): Reg.

ular army and navy 74, special reserves 114, new armies 46, territorial forces 25, in the ranks (not commissioned) 63, trained by officers of O. T. C. in the schools of instruction (nine in all) established in the university grounds at the request of the War Office 422, enrolled in the University Veterans' Volunteer corps 253, engaged in war work at Board of Trade, munitions work at the university, and so forth, 57. Three officers were "mentioned in despatches."

Horse, 10 marks, 10 for each movement.

1. Squat vault to a back rest R.  $\frac{1}{2}$  R., L.  $\frac{1}{2}$  L. side vault R.,  $\frac{1}{2}$  turn R., backward roll.

2. Right hand on L. pommel, R. leg L. circle,  $\frac{1}{2}$  turn L., R. leg  $\frac{1}{2}$  R., L.  $\frac{1}{2}$  L., dismount  $\frac{1}{2}$  R. turn.

3. Front rest, R. feint, rear vault L. to mat,  $\frac{1}{4}$  L. turn.

4. Voluntary.

The next special practice will be held on Saturday at 4.30.

## LIEUT. GREEN NOW AN A.D.C.

Now Attached to Personal Staff of Col. V. A. S. Williams.

## STUDENT JOINS R.C.N.V.R.

A. W. Langlois, Law '17, of the Union House Committee, On Naval Service.



LIEUT. J. K. M. GREEN.

Lieut. J. K. M. Green, Sci. '16, and also graduate of the Royal Military College, Kingston, has been gazetted an Aide-de-Camp on the personal staff of Col. V. A. S. Williams, Brigadier of the Canadian Training Division in England. Lieut. Green, who played for a time on the McGill senior football team in 1913, went overseas as lieutenant in the 5th Battery, C.F.A. He served with that unit through all the heavy fighting of last summer, and recently returned to England to become attached to the Canadian Training Division. His brother, Lieut. F. D. L. Green, past student, was killed in action while serving as lieutenant in the 4th Battery, C.F.A.

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## Don't Wear Last Season's

headgear with this season's garb. A small outlay will lend more conviction and more attraction to your get up.

**English Caps** - - - \$1.00 up  
**New Alpine** - - - \$2.50 up

Exclusive Representatives:  
**DOBBS & CO.**  
Fifth Avenue Hats

**FASHION-CRAFT**  
Clothes Shops

MAX BEAUVIS, LTD.  
229 St. James St. West End—163 St. Catherine W.

## A TREAT FOR 5TH COMPANY

Will Be Entertained in Homes of  
St. Andrew's Congregation  
Soon.

It is reported that the 5th University Company will attend divine service on Sunday morning, February 27, at St. Andrew's Presbyterian Church, Westmount, when Dr. Clark, the minister, will preach to the men.

An innovation that is worthy of interest is being arranged by J. A. Nicholson, the registrar of the university and a leading member of St. Andrew's Church. He has suggested to the members of the church that enough people might entertain one or more soldiers at lunch in their own homes after divine service to provide for the whole company. This arrangement is fairly well advanced, and circular letters have been sent to the various members soliciting their assistance. This letter marks the parade as February 20th, but this has been changed owing to the operations at Ste. Anne's next Sunday.

If this arrangement can be accomplished, it will be a very welcome innovation for soldiers' entertainment. Men in barracks must feel from time to time the want of the home comforts. This idea, therefore, must come to them as very welcome, both from

the change and the nature of the entertainment.

The last part of this circular letter speaks for itself and must also recommend itself to those who are unable to go overseas. It reads thus:

"My only excuse for bringing this matter to the notice of the members is: (1) A feeling of sympathy with young men who are far from home as most of the men of this company are, and (2) a sense of the great debt we owe to the noble fellows who are making the supreme sacrifice of risking their lives for their country which in this great struggle stands for every foundation principle of Christianity."

### MINING SOCIETY MEETING.

Dr. J. Bonsall Porter Will Talk On McGill Mining Trip.

A meeting of the Mining Society is to be held this evening, at 8:15. Dr. J. B. Porter will talk on the "McGill Mining Trip," which will be illustrated by lantern slides.

Dr. Adams, Dr. Bancroft, and Prof. Evans will also give short addresses. Mr. Werner will have something worth while to be seen on the lantern screen. A large attendance is expected.

### MACDONALD VS. R.V.C.

A hockey match will be played Saturday morning, at eleven o'clock, February 19, on the R.V. Rink, between the girls of Macdonald College and the R.V.C. team. Come and support your friends. It is likely that a return match will be arranged shortly.

## DEPARTMENT OF MINES

## GEOLOGICAL SURVEY.

## PUBLICATIONS

A catalogue of publications will be sent free to any applicant. Most of the older reports are out of print, but they may usually be found in public libraries, libraries of the Canadian Mining Institute, etc.

### REPORTS RECENTLY ISSUED.

- 1085. Descriptive Sketch of the Geology and Economic Minerals of Canada. Accompanied by a geological and mineral map of Canada, by G. A. Young and R. W. Brock.
- 1165. Memoir No. 18. Bathurst District. New Brunswick, by G. A. Young. Maps not yet published.
- 1186. Memoir No. 35. Reconnaissance along the National Transcontinental Railway in Southern Quebec, by John A. Dresser.
- 1189. Memoir No. 17. Larder Lake District, Ont., and adjoining Portions of Pontiac County, Quebec, by John A. Dresser.
- 1242. Memoir No. 23. Geology of Gowganda Mining Division, by W. H. Collins.
- 1294. Memoir No. 24. Preliminary Report on the Clay and Shale Deposits of the Western Provinces, by Heinrich Biele and Joseph Keele.
- 1220. Memoir No. 29. Oil and gas prospects of the Northwest Provinces of Canada, by Wyatt Malcolm. Map not yet published.
- 1175. Memoir No. 20. The Geology and Ore Deposits of Phoenix, Boundary District, B.C., by O. E. LeRoy.
- 1228. Memoir No. 31. Wheaton District, Yukon Territory, by D. D. Cairnes. Maps not yet published.

### MAPS RECENTLY ISSUED.

- 1142. Mineral Map of Canada. Scale 100 miles to 1 inch.
- 2077. Geological Map of the Dominion of Canada and Newfoundland. Scale 100 miles to 1 inch.
- 1223. Map 12A. Kingsport sheet, Nova Scotia, No. 51. Scale 1 mile to 1 inch.
- 1228. Map 53A. Southeast Nova Scotia. Scale 4 miles to 1 inch.
- 1181. Map 35A. Reconnaissance Map of Parts of Albert and Westmoreland Counties, N. B. Geology and topography. Scale 1 mile to 1 inch.
- 1178. Map 32A. Larder Lake and Opasatik Lake, Nipissing, Abitibi and Pontiac, Ontario and Quebec. Geologic. Scale 2 miles to 1 inch.
- 750. Map No. 7A. Parts of Counties of Ottawa, Argenteuil, Terrebonne, Two Mountains and Vaudreuil Quebec and Carlton, Prescott and Glengarry, Ont., Ontario. Scale 4 miles to 1 inch. Reprint.
- 1177. Map 31A. Larder Lake, Nipissing District, Ontario. Geology. Scale 1 mile to 1 inch.
- 1244. Map 62A. Advance Geological Copy of Map of Gowganda Mining Division and vicinity. Scale 1 mile to 1 inch.
- 1132. Map No. 7A. Bighorn Coal Area, Alberta, by G. Malloch. Scale 2 miles to 1 inch.
- 1260-1261. Map 30A. Geology of the Forty-ninth Parallel. Geology and Topography of the International Boundary between British Columbia and the United States. Scale 1 mile to 1 inch, contour intervals 100 feet.
- 1257. Map 62A. Nelson and vicinity, British Columbia. Geology and Topography. Scale 1 mile to 1 inch.
- 1089. Map 9A. Explored Routes on parts of the Albany, Severn and Wimisk Rivers. Scale 8 miles to 1 inch.

NOTE—Maps published within the last two years may be had, printed on linen, for field use. A charge of ten cents is made for maps on linen.

Communications should be addressed to THE DIRECTOR, GEOLOGICAL SURVEY,  
OTTAWA.

## MISSOURI HAS STRONG TEAM

The Track Squad Looks Good Enough to Win Title.

### AMES A CONTENDER

Particularly Well Fortified in Jumps, Hurdles, and Middle Distance Events.

Practice work in track for the colleges in the Missouri Valley Conference is now in full swing. The track competition season opens in the valley February 26, with an indoor meet in Kansas City, and from that time on until summer track will be the leading college sport.

The University of Missouri is decidedly the favorite to repeat as victors in the Missouri Valley, with Ames, Kansas University and the Kansas State Agricultural College the other colleges which are conceded a chance to upset present predictions.

For the last four years Missouri has won the valley conference championship in track. Last year this title was won by the safest margin ever run up by any victor in the Missouri Valley. This year Missouri has practically the whole of her last year's team intact, while other colleges have lost heavily. This is the basis for the generally held belief that University of Missouri will have things much her own way on the cinder path.

Missouri is strong in every event, although, of course, looming up as particularly fortunate in the hurdles. There is no hurdler in either the high or low in the valley who can hope to win from Robert Simpson, running his second year for Missouri. Simpson last year won the Missouri Valley Conference and Western Conference titles with ease, and is co-holder of the world's record in the high hurdles.

Competent critics who have seen him in action have declared that there is a distinct possibility that he will break the world's record this year. Missouri's chief weakness of 1915, in the sprints, seems to have been largely overcome with the addition to the squad of Pittman, Rodkey and Rider from last year's freshman team.

### AMES VERY STRONG.

Ames is particularly well fortified in the hurdles, jumps and middle distance, and distance events. The Ames cross-country team was easily a winner in all valley competitions last fall, and is expected to supply the team with plenty of good material for the half-mile, mile, and two-mile runs. The Ames hurdlers are headed by Packer, who is easily the second best man in the conference. He defeated Simpson in one race of the high hurdles last year, and finished second to Simpson in the Missouri Valley and Western Conference meets of 1915. Were it not for the fact that Packer is forced to compete against Simpson, he would be regarded as a star of the first magnitude, particularly in the high hurdles, which he last year ran repeatedly in 15.2-5 and 15.1-5. In the Western Conference meet Packer was a half hurdle ahead of his nearest follower, and a half hurdle behind Simpson, at the finish.

Kansas University has eighty men at work trying to make their track

### STUDENTS SEEK EARLIER TESTS

Birmingham, Eng.—The Birmingham Guild of Undergraduates are petitioning the authorities of the university to hold the examinations before March 31, instead of in June. A resolution asking the authorities to approach the War Office to secure exemption from service for male students until after the June examinations was defeated in favor of the decision given above. The date, March 31, has been selected in consequence of the receipt in Birmingham of the following telegram from the War Office:

"Please instruct military representatives in your command that in the case of any student who is attending an examination at any recognized university before March 31, 1916, his calling up may be postponed till after the examination, provided it is not later than March 31st, and recruiting officers should be instructed to make a note in the classification register army book 44."

A circular was issued recently by the Board of Education, setting out the procedure to be adopted by the governing body of an institution who desired, on the ground of public interest, to retain certain advanced full time students of physical science or technology who had been attested under the Derby scheme.

The circular also applied to limited number of teachers in universities and institutions of university rank. Apparently, the students' petition has reference solely to students of the arts department.

### OFFICERS ARE ELECTED.

G. H. Duggan Elected President;  
Prof. McLeod Secretary.

Officers for the Canadian Society of Civil Engineers for the ensuing year have been elected as follows:

President, G. H. Duggan, Montreal.  
Vice-presidents — R. A. Ross, Montreal; A. St. Laurent, Ottawa; T. H. White, Vancouver.

Past presidents, Phelps Johnson, Montreal; H. J. Butler, C.M.G., Montreal; F. C. Gamble, Victoria.

Treasurer, E. Marceau, Montreal.

Secretary, C. H. McLeod, Montreal.

Councillors: J. R. W. Ambrose, Toronto; C. B. Brown, Moncton; S. P. Brown, Montreal; W. A. Bucke, Toronto; W. G. Chace, Winnipeg; G. R. Conway, Toronto; A. R. Decay, Quebec; A. A. Dion, Ottawa; H. Doukin, Halifax; A. E. Doucet, Quebec; J. M. R. Fairhurst, Montreal; T. A. J. Forrester, Quebec; Walter J. Francis, Montreal; N. J. Ker, Vancouver; E. D. Lafleur, Ottawa; Frank Lee, Winnipeg; D. O. Lewis, Victoria; H. N. MacKay, Montreal; R. McColl, Halifax; D. A. Ross, Winnipeg; H. R. Safford, Montreal; A. Surveyor, Montreal; R. F. Unlacke, Ottawa; J. L. Weiler, St. Catharines.

Science '19 substitutes—Fotheringham, Dorne, Tusseau and Root.

Science '16 substitutes — Bangs, Sutherland, Kirkpatrick, Louden and Neilson.

Referees, V. B. Harris and C. E. Thompson.

High hopes are now being entertained by the Science '19 supporters that the team will be able soon to win the class championship of the whole university. They have now decisively defeated the two Science teams they have come up against, and all through have been showing good form and splendid team play. They undoubtedly owe much of their success to their energetic manager, William Kearns, and their captain, Jack Fotheringham.

### PASSES IN SIGNALLING.

Lieut. H. Cheney, who left with the Fourth Universities Company, and is now attached to the 11th Reserve Battalion at Shorncliffe, has passed his school of signalling examinations.

He is confident of making an interesting race for honors. His team

will be built around Rodkey and other excellent men in the events from the half-mile to the two-mile, Treweeke in the jumps, and Rever in the weights.

The Kansas Agricultural College has only one man who won a first place in the 1915 conference meet. He

is Frizzell, high jumper and broad

jumper. With Frizzell as a nucleus the

Aggies expect to build up a team. It

is admitted that K.S.A.C. has a few

really good men who will be eligible

this year, and that the team may be

strong.

Nebraska has nothing in track so

far as is known. Only one Nebraskan

placed in last year's conference meet.

However, the Nebraskans have begun

a systematic effort to bring their track

athletes up to the standard of their

football and basketball, and may

show unexpected improvement this

season. Fall training was given the

Nebraska track candidates last fall for

the first time in the history of the

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They are particularly strong in the

hurdles, and have a good chance in the

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